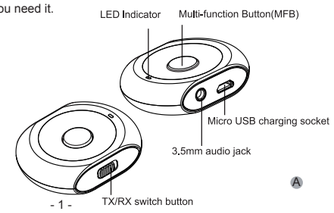
1. Product description

The Ranger AT0200 is a 2-in-1 Bluetooth receiver and transmitter which incorporates the latest 'aptX' codec for less latency, high audio quality. The Ranger AT0200 is very simple to use and enables any Bluetooth enabled music device to connect to both Bluetooth and non-Bluetooth devices. It can be used to enable a phone to transmit music to a home stereo system - or just as easily, to allow a CD player or other device to transmit music to a Bluetooth enabled speaker system or headphones. With a compact design and internal rechargeable battery with long playing time, the Ranger AT0200 is the ideal solution to link your music devices - any time and any place you need it.

2. Product overview

(1) LED Indicator
(2) Multi-Function Button (MFB)
(Power On / Off / Pairing)
(3) Micro USB charging socket
(4) 3.5 mm audio jack
(5) TX / RX switch button



What's in the box:

A.Ranger AT0200
B.3.5mm to 3.5mm audio cable
C.USB charging cable
D.3.5mm to RCA audio cable
E.User manual
F.3.5 audio connector

3. Charging

Ranger AT0200 comes with a built-in rechargeable battery that provides a very long standby and working time. We recommend charging the battery fully before using it for the first time.
1) Insert one Micro USB charging cable end into Ranger AT0200 Micro USB socket, and put the other end into a standard USB power outlet, such as laptop or desktop.
2) It takes 3 hours to charge fully and reach its full capacity for the first time. Each subsequent charge cycle take around 2 hours.
3) LED will indicate red when charging, and goes off when charging is complete.
4) If you have not used the device for a few months, LED might not turn red when first charging. It might take 15-35 minutes before the LED turns red.
5) We suggest fully charging the device at least once every two months

4. Transmitter: turn On / Off

Push the click button to TX mode from TX / RX positon before power on.
TX or RX mode cannot be changed after powering on Ranger AT0200.
Turn On: press and hold the MFB button for about 5 seconds until the blue LED is on for 1 second
Note: For first time use or first time turn on after clear connection list, Ranger AT0200 transmitter will automatically enter into pairing mode –LED flashes blue quickly.
Turn Off: press and hold the MFB button for about 3 seconds until the red LED is on for 1 second, and then goes off.

5. Transmitter: pairing with a Bluetooth device

After Ranger AT0200, under TX mode, has connected to a Bluetooth stereo device, you can stream music wirelessly. Before pairing, please make sure your Bluetooth stereo receiver supports Bluetooth A2DP profile .
Pairing procedure:
A. Plug the 3.5 mm audio cable into Ranger AT0200 3.5 mm audio socket. Plug the other end (or 2 x RCA) into the audio output of an audio source system (e.g. iPod, TV, Treadmill etc).
B. Ensure Ranger AT0200 has pushed into TX mode, and the device is off.

C. Put Ranger AT0200 and your Bluetooth stereo receiver device within 1 meter.
D. Power on your Bluetooth stereo receiver device and put it into pairing mode.
E. Press and hold Ranger AT0200 MFB button for around 5-7 seconds until the blue LED blinks quickly, indicating it is in pairing mode.
(Note: For first time use or first time power on after clearing the connection list, Ranger AT0200 will automatically enter into pairing mode – the Blue LED blinks quickly.)
F. Ranger AT0200 will then automatically search, pair and connect with your Bluetooth stereo receiver device.
G. After successful connection, the Blue LED will flash twice every 4 seconds.
H. Pairing is complete – now you can enjoy the wireless audio.

Note:
1) Ranger AT0200 blue LED will flash 3 times within 4 seconds after connection with another Bluetooth device which also supports the aptX codec.
Both transmitter and receiver are incorporated with aptX codec, it will help low latency and higher audio quality compare with standard Bluetooth audio
2) The pairing mode will last 2 minutes. Ranger AT0200 will enter standby mode if no devices can be connected within 2 mins
3) Ranger AT0200 can pair with stereo Bluetooth receiver devices using PIN code "0000", "1111", "8888" or "1234".

LED indicator instruction:

LED indicator	Status of Ranger AT0200 under TX mode
Blue LED blinks continuously	Pairing mode, lasts for 2 minutes
Blue LED flashes every 1 sec.	Standby mode, not connected with a device
Blue LED flashes twice every 4 seconds	Connected with a device
Red LED blinks	Low power

We find most problems are caused by improper pairing.

6. Receiver: turn On / Off

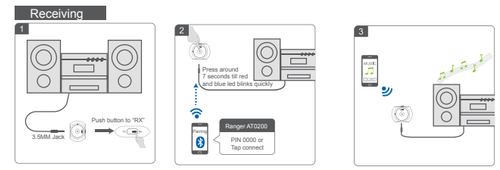
Push the click button to RX mode from TX / RX position before power on.
TX or RX mode cannot be changed after powering on Ranger AT0200.

Turn On: press and hold Ranger AT0200 MFB button for around 5-7 seconds until the blue LED is on for 1 second.
Turn Off: press and hold Ranger AT0200 MFB button for around 3-4 seconds until the red LED is on for 1 second, and then goes off.

7. Receiver: pairing with a Bluetooth device

7.1Pairing procedure:
A. Plug the 3.5 mm audio cable into Ranger AT0200 3.5 mm audio socket. Plug the other end (or 2 x RCA) into the audio input of your home hi-fi stereo system.
B. Ensure Ranger AT0200 has pushed into RX mode, and the device is off.
C. Put Ranger AT0200 and your Bluetooth-enabled phone within 1 meter.
D. Press and hold Ranger AT0200 MFB button for around 6-8 seconds until the blue and red LEDs blink quickly and alternatively, indicating it is in pairing mode.
E. Make your smartphone into Bluetooth mode. Taking an iPhone as an example: From your iPhone home page, tap "Settings"→ "General "→" Bluetooth"→" On"
Note: Different phones and tablets have different procedures to activate the Bluetooth function, pair, connect with other Bluetooth devices. For example:

F. iPhone will auto-scan for available Bluetooth devices. Click "Ranger AT0200" from the list of devices shown; tap "Yes" or "Confirm" accordingly.
G. After successful pairing and get connected, the blue LED will blink twice every 4 seconds.



Note:
- Pairing mode will last 2 minutes. The receiver will enter standby mode if no devices can be connected within 2 minutes.
- Ranger AT0200 receiver can pair with stereo Bluetooth devices using PIN code "0000", "1111", "8888" or "1234".
- If pairing has failed, power off Ranger AT0200 and redo the pairing process according to above mentioned procedures.

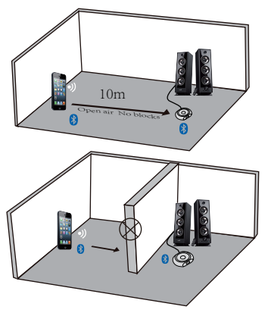
- Ranger AT0200 can remember 8 paired devices. When the number of paired devices exceeds 8, the first one will be replaced.
- Each time Ranger AT0200 powers on, it will connect to the last connected device automatically. If you want to pair it to other devices, turn off the current device's Bluetooth function first and try to pair the receiver to the new device according to above mentioned pairing procedures.

7.2 LED indicator instruction:

LED indicator	Status of Ranger AT0200 under RX mode
Blue and red LEDs blink alternately and continuously	Pairing mode, lasts for 2 minutes
Blue LED flashes every 1 sec.	Standby mode, not connected with a device
Blue LED flashes twice every 4 seconds	Connected with a device
Red LED blinks	Low power

7.3 Get maximum stable range.
Please kindly make sure there is no obstacle (wall corner etc.,) between receiver and transmitter.

How to get the maximum range



8. Advanced functions

8.1 Streaming music
When Ranger AT0200 is used as a receiver, you can connect it to a 3.5mm stereo headset or stereo speaker with a 3.5mm to 3.5mm audio cable. You will be able to listen to music and control pause/play of music

Status of Ranger AT0200 in RX mode now	Operation
Playing music	After short press MFB button once will pause the music
Pausing	After short press MFB button once will play the music

8.2 Charging and streaming music
When battery is low, but you still want to use Ranger AT0200 in TX or RX mode, you can charge the device and stream audio sound simultaneously.

8.3 Reconnecting to a Bluetooth device
A. **Automatic connecting:** Once Ranger AT0200 is powered on, it will automatically connect with the last connected device.
B. **Manual connecting:** When Ranger AT0200 is in standby mode and doesn't connect to any device, short press MFB button once and it will automatically connect to the last connected device.

C. **Auto off:** Ranger AT0200 will automatically power off if no devices can be connected within 5 minutes.
D. **Clearing pairing list:** Ensure Ranger AT0200 is off, press and hold MFB button for around 10 -12 seconds till red LED is on for 1 second and then Blue LED is on for 1 second.

9. Product Specification

- Bluetooth V2.1+EDR
- Bluetooth profile supported: A2DP and AVRCP
- Supported codec: aptX, SBC
- Operation range: Class 2, 10 meters
- TX mode working time: up to 10 hours
- RX mode working time: up to 9 hours
- Standby time: up to 400 hours
- Charging time: about 2-3 hours
- Charging input voltage: DC 5V
- Battery: 270mAH rechargeable LI-polymer battery
- Weight: 48.5g
- Size: 50mm(L)x37mm(W)X13mm(H)

The working and standby times may vary when used with different mobile phones or other compatible Bluetooth devices, usage settings, usage styles and environments.

10. Safety information

- To avoid any damage or malfunction of the device do not drop device from high places.
- Keep device away from humidity, water or any other liquid. If the device is exposed to water, moisture or other liquid, do not operate it to avoid any electrical shock, explosion and damage to the device or yourself.
- Do not place or keep this device near any heat source, such as direct sunlight, radiators, stoves or other apparatus which produces heat. It may cause explosion, degrade the performance and/or reduce battery life.
- Do not modify, repair or disassemble device at discretion (especially battery: it may cause an explosion). Doing this will void the warranty.
- Do not place heavy objects on the device.
- Use only supplied USB charging cable.
- Replacement or service must be done by qualified service center or manufacturer.
- Unplug this device when unused for long periods of time or during lightning storms.

CAUTION: ELECTRIC SHOCK HAZARD
The battery used in this device may present a risk of fire or chemical burn if mistreated.

11. Declaration of conformity

11.1. EU
This product is CE certified according to the provision of the R&TTE Directive (99/5/EC). Declare that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

11.2. Trademark Statement
The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc.

apt-X™ words and logos marked with a ™ or ® are trademarks registered or owned by CSR plc or one of its group companies and may be registered in one or more jurisdictions except that not all such marks are registered in all countries where products are available.

11.3 FCC RF exposure
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .This equipment should be installed and operated with minimum distance 1.5cm between the radiator& your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

12. Warranty

- To avoid any damage or device malfunction, do not drop the device from high places.
- Keep the device away from humidity, water and or other liquid. If the device is exposed to water, moisture or other liquid, do not operate it to avoid any electrical shock, explosion and damage to the device or yourself.
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RANGER

Bluetooth® Audio Transceiver - AT0200

User Guide

www.ranger-technology.com

Dispose of the packaging and this product in accordance with the latest provisions.

QDID : B015006
FCC ID: WJ5-BTTC200
Z-PKMN-TC200X-0378

材质：80g书写纸 + M形折页 + 单色双面印刷 size: W420 x H150 mm